

ALASKAN COPPER WORKS
3200 6TH AVE. S.
SEATTLE, WA 98134

Dear Toxic Release Inventory (EPA Form R) Reporter:

Attached is a report, produced by EPA, which lists the chemical identities and corresponding release values for the Form R's EPA received from the facility listed above for Toxic Release Inventory (TRI) Reporting Year 1993 (RY93).

It is EPA's intention to represent all data reported by your facility as accurately as possible. In order to do this, EPA has implemented a variety of quality control procedures. We believe our data entry is of good quality. However, as a final quality control measure, we ask that you verify the critical estimate value information listed on this report against your Form R files. If you find any data entry errors, please let us know by following these simple instructions:

- o On the attached report, use a red pen to mark through the erroneous value, and write the corrected value next to it.
- o Return the corrected report to:

The EPCRA Reporting Center
P.O. BOX 3348
Merrifield, VA 22116-3348
ATTN: TRI 100% Industry Review

We request that you do this within 21 calendar days of receipt, so that we may correct your data before we make it publicly available in the next data release. If you do not find any errors in this report, a response is not necessary.

Please DO NOT use this report to make changes to release values or any other data which you reported incorrectly. Those changes should be submitted to EPA by making a photocopy of your Form R, writing 'REVISION' in red ink in the space labelled 'Enter 'X' here if this is a revision' on page one of the form, marking through the original data and writing in the revised data in red ink. The certification signature block on the revised form must contain an original signature. Mark through the photocopied signature, re-sign and date the revised form. Return the revised form to the address above. The attention line should read: 'Attn: RY93 Revision'.

Please keep these facts in mind when reviewing the accuracy and completeness of this report:

- 1) The report lists only those Form R reports which have completed our internal data quality checks. If one or more of the forms submitted by your facility is not listed here, you will be receiving additional correspondence from us soon.
- 2) The data represented here may not reflect any voluntary revisions submitted by your facility, if those revisions were not processed by the time we produced this report.
- 3) We observe certain conventions in the way your facility is represented. For example, we always list the main company name first, followed by the division name. We also use standard abbreviations for certain words such as Corporation (Corp.) and Highway (Hwy.). Please correct this information only if the actual data are incorrect.
- 4) Releases, off-site transfers, and other waste stream quantities are entered to the nearest pound.

If you have any questions about the information on this report, please call the EPCRA Reporting Center:

(703) 816-4445

Indicate that you are calling about the 'TRI 100% Industry Review'. You will be referred to a Reporting Center staff member who can answer your questions.

Finally, we would like to suggest that you consider using EPA's magnetic media Automated Form R (AFR) reporting software package for submitting your reports in the future. AFR reporting by a facility allows EPA to enter your data exactly as you provide it, and reduces if not eliminates, EPA data processing errors. AFR software, available from EPA, will be sent to you along with your next reporting package, free of charge. We think that reporting on diskette is easier and more cost effective, both for facilities and the government, and that it helps to ensure a high standard of quality.

Thank you for your efforts to make Toxic Release Inventory data as accurate as possible.

Steven D. Newburg-Rinn, Chief
Toxic Release Inventory Information
Management Branch (7407)
Information Management Division
Office of Pollution Prevention and Toxics
Office of Prevention, Pesticides
and Toxic Substances
U.S. Environmental Protection Agency

DATE: 11/15/94

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RELEASE VALUE REPORT

Document Control Nbr.	Chemical Name	CAS Number
13-93-07513943-4-WA	NICKEL COMPOUNDS	N495 - -
5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	NA
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.01	Transfer to other off-site WORLD RESOURCES CO.	1,067
6.2.02	Transfer to other off-site	NA
6.1.A	Total quantity transferred to POTWs	1 - 10
8.1.A	Quantity released	5
8.1.B	Quantity released	5
8.1.C	quantity released	5
8.1.D	Quantity released	5
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	325
8.5.B	Quantity recycled off-site	1,067
8.5.C	Quantity recycled off-site	770
8.5.D	Quantity recycled off-site	577
8.6.A	Quantity treated on-site	0
8.6.B	Quantity treated on-site	0
8.6.C	Quantity treated on-site	0
8.6.D	Quantity treated on-site	0
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from catastrophic/remedial action	0
8.9	Production ratio or activity index	1.20

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RELEASE VALUE REPORT

Document Control Nbr.	Chemical Name	CAS Number
13-93-07513944-6-WA	NITRIC ACID	007697-37-2
5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	NA
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.01	Transfer to other off-site	NA
6.1.A	Total quantity transferred to POTWs	NA
8.1.A	Quantity released	6
8.1.B	Quantity released	8
8.1.C	quantity released	5
8.1.D	Quantity released	5
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	0
8.5.B	Quantity recycled off-site	0
8.5.C	Quantity recycled off-site	0
8.5.D	Quantity recycled off-site	0
8.6.A	Quantity treated on-site	14,000
8.6.B	Quantity treated on-site	12,000
8.6.C	Quantity treated on-site	12,000
8.6.D	Quantity treated on-site	12,000
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from catastrophic/remedial action	0
8.9	Production ratio or activity index	1.20

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R E L E A S E V A L U E R E P O R T

Document Control Nbr.	Chemical Name	CAS Number
13-93-07513942-2-WA	MANGANESE COMPOUNDS	N450 - -
5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	NA
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.01	Transfer to other off-site WORLD RESOURCES CO.	11 - 499
6.2.02	Transfer to other off-site	NA
6.1.A	Total quantity transferred to POTWs	1 - 10
8.1.A	Quantity released	5
8.1.B	Quantity released	5
8.1.C	quantity released	5
8.1.D	Quantity released	5
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	14
8.5.B	Quantity recycled off-site	23
8.5.C	Quantity recycled off-site	15
8.5.D	Quantity recycled off-site	10
8.6.A	Quantity treated on-site	0
8.6.B	Quantity treated on-site	0
8.6.C	Quantity treated on-site	0
8.6.D	Quantity treated on-site	0
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from catastrophic/remedial action	0
8.9	Production ratio or activity index	1.20

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RELEASE VALUE REPORT

Document Control Mbr.	Chemical Name	CAS Number
13-93-07513941-0-WA	CHROMIUM COMPOUNDS	N090 - -
5.1	Fugitive or non-point air emissions	1 - 10
5.2	Stack or point air emissions	NA
5.3.A	Discharges to water bodies NA	NA
5.4	Underground injections on-site	NA
5.5.1	Releases to landfill	NA
5.5.2	Releases to land treatment/application farming	NA
5.5.3	Releases to surface impoundment	NA
5.5.4	Releases to other land disposal	NA
6.2.01	Transfer to other off-site WORLD RESOURCES CO.	1,320
6.2.02	Transfer to other off-site	NA
6.1.A	Total quantity transferred to POTWs	11 - 499
8.1.A	Quantity released	12
8.1.B	Quantity released	15
8.1.C	quantity released	10
8.1.D	Quantity released	10
8.2.A	Quantity used for energy recovery on-site	0
8.2.B	Quantity used for energy recovery on-site	0
8.2.C	Quantity used for energy recovery on-site	0
8.2.D	Quantity used for energy recovery on-site	0
8.3.A	Quantity used for energy recovery off-site	0
8.3.B	Quantity used for energy recovery off-site	0
8.3.C	Quantity used for energy recovery off-site	0
8.3.D	Quantity used for energy recovery off-site	0
8.4.A	Quantity recycled on-site	0
8.4.B	Quantity recycled on-site	0
8.4.C	Quantity recycled on-site	0
8.4.D	Quantity recycled on-site	0
8.5.A	Quantity recycled off-site	348
8.5.B	Quantity recycled off-site	1,320
8.5.C	Quantity recycled off-site	990
8.5.D	Quantity recycled off-site	742
8.6.A	Quantity treated on-site	0
8.6.B	Quantity treated on-site	0
8.6.C	Quantity treated on-site	0
8.6.D	Quantity treated on-site	0
8.7.A	Quantity treated off-site	0
8.7.B	Quantity treated off-site	0
8.7.C	Quantity treated off-site	0
8.7.D	Quantity treated off-site	0
8.8	Quantity released from catastrophic/remedial action	0
8.9	Production ratio or activity index	1.20